

2014

DoD HPCMP 2014 High Performance Computing Internship Program (HIP) Mentor Briefcase: Acronym List

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This document is based on DoD HPCMP HPC Internship Program (HIP) best practices.

DoD HPC Internship Program
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Commonly used HPCMP Acronyms

1-D one-dimensional
 2-D two-dimensional
 3-D three-dimensional
 3 DES triple data encryption standard

A

A&T acquisition and technology
 AAAA authentication, authorization,
 accounting and auditing;
 authentication, authorization,
 accounting and address
 AAC Air Armament Center (USAF);
 activity address code
 AAL asynchronous transfer mode
 adaptation layer
 AAV amphibious assault vehicles
 ABC Army Benefits Center
 ABL airborne laser
 AC alternating current; anomaly
 correlation
 ACAD automated computer-aided
 design
 ACAS assured compliance assessment
 solution
 ACAT Acquisition Category
 ACAT I Acquisition Category I
 ACAT IA Acquisition Category I “Major
 Automated Information
 Systems”
 ACAT IAC Acquisition Category I Major
 Automated Information
 Systems” Component Program
 ACAT IAM Acquisition Category I “Major
 Automated Information
 Systems”
 ACAT IC Acquisition Category I
 “Component” Program
 ACAT ID Acquisition Category I “Defense
 Acquisition Board” Program
 ACAT II Acquisition Category II
 ACAT III Acquisition Category III

ACAT IV Acquisition Category IV (Navy &
 Marine Corps only)
 ACE advanced computational
 environments
 ACE-IT US Army Corps of Engineers
 Enterprise Information
 Technology
 ACETEF Air Combat Environment Test
 and Evaluation Facility
 ACL access control list
 ACM Association for Computing
 Machinery
 ACOM Atlantic Command
 ADA atmospheric decision aid
 ADC application distribution center;
 allocated delivery controller
 ADM acquisition decision
 memorandum
 ADP automated data processing
 ADR adiabatic demagnetizing
 refrigerator
 AD RMS active directory rights
 management services (server)
 ADT Atlantic Daylight Time (2nd
 Sunday in March - 1st Sunday in
 November)
 ADVENT adaptive versatile engine
 technology
 AECA Arms Export Control Act
 AEDC Arnold Engineering
 Development Center
 AEF air expedition force
 AEOS advanced electro-optical
 system
 AEP Affirmative Employment Plan
 AF Air Force
 AFB Air Force Base
 AFC active flow control
 AFDC Air Force Doctrine Center
 AFDD Aeroflight Dynamics Directorate
 AFDTC Air Force Development Test
 Center

AFFTC	Air Force Flight Test Center	AIS	automated information system(s)
AFGROW	Air Force Crack Growth Program	AITS	Advanced Information Technology Services
AFIT	Air Force Institute of Technology	AITS-JPO	Advanced Information Technology Services - Joint Program Office
AFOSR	Air Force Office of Scientific Research	AJPO	ADA Joint Program Office
AFOTEC	Air Force Operational Test and Evaluation Center	AKDT	Alaska Daylight Time (2nd Sunday in March – 1st Sunday in November)
AFRL	Air Force Research Laboratory	AKST	Alaska Standard Time (non-daylight savings time)
AFRL/RD	Air Force Research Laboratory, Directed Energy Directorate	ALCON	all concerned
AFRL/RB	Air Force Research Laboratory, Air Vehicles Directorate	ALCV	advanced land combat vehicle
AFRL/RH	Air Force Research Laboratory, Human Effectiveness Directorate	ALE	acquisitions, logistics, engineering; application launching and embedding; arbitrary Lagrangian-Eulerian (code)
AFRL/RI	Air Force Research Laboratory, Information Directorate	ALE 3D	application launching and embedding three-dimensional
AFRL/RV	Air Force Research Laboratory, Space Vehicles Directorate	AMCOM	Army Aviation and Missile Command
AFRL/RW	Air Force Research Laboratory, Munitions Directorate	AMOS	Air Force Maui Optical Station
AFRL/RX	Air Force Research Laboratory, Materials and Manufacturing Directorate	AMRDEC	Army Aviation and Missile Research Development and Engineering Center
AFRL/RY	Air Force Research Laboratory, Sensors Directorate	AMRIID	US Army Medical Research Institute of Infectious Diseases
AFSEO	Air Force SEEK EAGLE Office	AMSAA	Army Material System Analysis Agency; Army material system analysis activity
AFTAC	Air Force Technical Applications Center	ANL	Argonne National Laboratory
AFWA	Air Force Weather Agency	AO	authorizing official
AGARD	Advisory Group for Aerospace Research and Development (NATO)	AoA	analysis of alternatives; area of action (US DoD)
AGILE	air ground integrated layer exploration	AOC	Army Operations Center
AHPCRC	Army High Performance Computing Research Center	AODR	authorizing official designated representative
AIC	air interoperability center	APB	acquisition program baseline
AIP	ATM interface processor; active information portal; adaptive internet protocol; air-independent propulsion	APC	Agency Program Controller
		APCRC	Atmospheric Pressure Combustor Research Complex (AFRL)

APG	Aberdeen Proving Ground; adverse pressure gradient	ASSET	advanced ship and submarine evaluation tool
API	application program interface	ASSP	Army S&T Strategic Plan
APPMs	Automated Personal Property Management System	AST	Atlantic Standard Time (non- daylight savings time)
ARC	affiliated resource center	ASuW	anti-surface warfare
ARDEC	Armament Research Development and Engineering Center	ASW	anti-submarine warfare
ARIN	American Registry for Internet Numbers	ATC	Aberdeen Test Center; authority to connect
ARL	Army Research Laboratory	ATCOM	Aviation and Troop Command (Army)
ARL/ WMRD	Army Research Laboratory Weapons and Materials Research Directorate	AT&L	acquisition, technology and logistics
ARM	Acorn RISC machine	ATD	authorization termination date
ARO	Army Research Office	ATEC	Army Test and Evaluation Command
ARP	address resolution protocol	ATF	Bureau of Alcohol, Tobacco, Firearms and Explosives
ARSC	Arctic Region Supercomputing Center	ATFLIR	advanced targeting forward- looking infrared
AS	autonomous system	ATIRS	Army test incident reporting system
ASA	Assistant Secretary of the Army	ATM	asynchronous transfer mode
ASA (ALT)	Assistant Secretary of the Army for Acquisition, Logistics and Technology	ATO	authorization to operate
ASA (R&T)	Assistant Secretary of the Army, Research and Technology	ATR	automatic target recognition
ASC	aeronautical systems center	ATTD	authority to transmit data
ASD	Assistant Secretary of Defense	AUP	Acceptable Use Policy
ASD (C3I)	Assistant Secretary of Defense, Command, Control, Communications and Intelligence	AUV	autonomous underwater vehicle
ASD (NII)	Assistant Secretary of Defense, Networks and Information Integration	AV	air vehicles
ASD (R&E)	Assistant Secretary of Defense, Research and Engineering	AVUS	air vehicles unstructured solver (formerly Cobalt)
ASIC	application-specific integrated circuit		
ASN	autonomous system number		B
ASNet	Army supercomputing network	BA	budget analyst; business analyst
ASPIRE	advanced speckle image recovery environment	BAMS	broad-area maritime surveillance
		BEA	Bureau of Economic Analysis
		BEI	Battlespace Environments Institute
		BFC	battle force capable
		BFI	bullet and fragment impact
		BGP	border gateway protocol

BHSAI	Biotechnology HPC Software Applications Institute	C3SMP	command, control and communication systems master plan
BIOS	basic input/output system; binary operating system; built-in operating system	C3-T	command, control and communications - tactical
BIS	Bureau of Industry and Security (Commerce)	C4	command, control, communications, and computers
BISDN	broadband integrated services digital network	C4I	command, control, communications, computers, and intelligence
BL	bioluminescence	C4CM	command, control, communications and computer countermeasures
BLM	Bureau of Land Management	C4IFTW	command, control, communications, computers and intelligence for the warrior
BLS	Bureau of Labor Statistics	C4ISR	command, control, communications, computers, intelligence, surveillance, and reconnaissance
BM	benchmark	C4S	command, control, communications and computer systems; command, control, communications, computers and surveillance
BMA	business mission area	C&A	certification and accreditation
BMD	ballistic missile defense	CA	certificate authority
BMDO	Ballistic Missile Defense Organization; ballistic missile defense operations	CAC	common access card
BMDS	ballistic missile defense system	CAC UBE	common access card – User-Based Enforcement
BOA	basic ordering agreement	CAE	Chief Audit Executive
BoD	Board of Directors	CAGR	compound annual growth rate
BPPP	Blast Protection for Platforms and Personnel	CAIV	cost as an independent variable
BP3I	Blast Protection for Platforms and Personnel Institute	CAP	capability applications project; connection approval process
BRAC	base realignment and closing	CARD	cost analysis requirement description
BTS	Bureau of Transportation Statistics	CARS	consolidated acquisition reporting system
BU	bargaining unit (employees – refers to Government Unionized Employees)	CASTLE	Center for Aircraft Structural Life Extension Program (Air Force)
BVA	Board of Veterans' Appeals; Bureau of Veterans' Affairs		
BVI	blade-vortex interaction		
BW	bandwidth		
C			
C2	command and control		
C3I	command, control, communications, and intelligence		
C3IC	Coalition Coordination, Communications and Integration Center		

CAT	category; referring to the 8 security incident categories used by DREN	CDT	Central Daylight Time (2nd Sunday in March – 1st Sunday in November)
CBA	cost/benefit analysis	CDV	cell delay variation
CBD	chemical/biological defense;	CEA	computational electromagnetic and acoustics; Council of Economic Advisors
CBE	Commerce Business Daily	CECOM	Communications Electronics Command
CBO	computationally-based engineering	CE	computational environment
CBT	Congressional Budget Office	CEFMS	Corps of Engineers Financial Management System
CBTA	computer-based training	CEM	computational electromagnetic
CCAC	covariance-based track association	CEN	computational electronics and nanoelectrics
CCB	Consolidated Customer Assistance Center	CEO	Chief Executive Officer
CCD	configuration control board	CER	cell error rate
CCD	charge coupled device	CERL	Construction Engineering Research Laboratory (ERDC – Champaign)
CCI	controlled cryptographic item;	CERS	Civilian Employee Retirement System
CCM	control correlation identifier	CERT	Computer Emergency Response Team
CCS	computational chemistry and materials science	CEWES	Corps of Engineers Waterways Experiment Station (now ERDC)
CCS	Institute for Defense Analyses Center for Computing Sciences;	CF	computational function
CCW	command and control systems	CFD	computational fluid dynamics
CD	counter-clockwise	CFO	Chief Financial Officer
CD	cross-domain	CFR	Code of Federal Regulations
CD&A	conceptual design and analysis	CFS	Contract Field Service
CDAAC	Classified Data Analysis and Assessment Center (ARL)	CHL	Coastal and Hydraulics Laboratory (ERDC)
CDB	configuration database	CHSSI	Common HPC Software Support Initiative
CDC	Centers for Disease Control and Prevention	CI	configuration item; counterintelligence
CDF	combined-diffuser flameholder;	CIA	Central Intelligence Agency
CDF	cumulative distribution functions	CIC	Commander-in-Chief; Communication Interface Controller (DoD)
C/DIT	correlation/decorrelation interoperability test	CID	combat identification
CDLT	collaborative and distance learning technologies	CIO	Chief Information Officer
CDN	content delivery network;	CISD	Center for Innovation in Ship Design (Navy)
CDN	content distribution network		
CDP	Career Development Plan		
CDRL	contract data requirements list (DoD)		
CDS	cross-domain solution		

CISS	Center for Information Systems Security (DISA)	COAMPS®	Coupled Ocean and Atmosphere Mesoscale Prediction System
CIV	Civilian Government Employee	COB	close of business
CJCS	Chairman of the Joint Chiefs of Staff	COE	certificate of eligibility (DoD); Corps of Engineers
CJCSI	Chairman of the Joint Chiefs of Staff - Instruction	COEA	cost and operational effectiveness analysis
CLI	call-level interface; command line interface; command line interpreter	COI	critical operational issue; community of interest
CLIN	contract line-item number	COIC	critical operation issues and criteria
CLP	cell-loss priority	COMA	Cache-Only Memory Access
CLR	cell-loss ratio	COM-	
CLS	contracted logistic support (DoD); coupled length-scales	OPTEV	Commander, Operational Test and Evaluation Force
CM	configuration management	COMSAC	computational stability and control
CMC	Crisis Management Center	COMSEC	communications security
CME	chemical master equation; chemical and materials engineering	CONUS	continental United States
CMFT	condensed-matter field theory	COOP	continuity of operations; continuity of operations plan
CMMI	capability maturity model integration	COR	contract officer's representative
CMR	cell misinsertion rate	COTR	contract officer's technical representative
CMRS	continuous monitoring risk scoring	COTS	commercial off-the-shelf
CMU	Carnegie Mellon University	CPAC	Civilian Personnel Advisory Center
CND	computer network defense	CPAD	Civil Property Authorization Document
CNDSP	computer network defense service provider	CPAF	cost plus award fee (contract)
CNMOC	Commander, Naval Oceanography and Meteorological Center	CPE	customer premise equipment (telecommunications provisioning)
CNO	Chief Naval Officer	CPFF	cost plus fixed-fee (contract)
CNSS	Committee on National Security Systems	CPU	central processing unit
CNSSI	Committee on National Security Systems Instruction	CR	Continuing Resolution
CNSSP	Committee on National Security Systems Policy	CRA	Community Reinvestment Act
CNT	carbon-nanotube	CRADA	cooperative research and development agreement
CO	contracting officer; contracting official; Commanding Officer	CRC	cyclic redundancy check; cyclical redundancy checking; cyclic redundancy code

CREATE	Computational Research and Engineering Acquisition Tools and Environments	CT	capability test
CRES	Computational Research for Engineering and Science (follow-on to CREATE)	CTA	computational technology area
CRP	Central Receiving Point	CTAAP	CTA Advisory Panel
CRREL	Cold Regions Research and Engineering Laboratory (ERDC – Hanover)	CTD	cell transfer delay
CRV	curved radial vane	CT&E	certification, testing and evaluation
CSA	comprehensive security assessment	CTO	Chief Technology Officer
CSB	Configuration Steering Board	CTP	critical technical parameter(s)
CSC	Combat Support Center (DoD); Command & Staff College; Commander-in-Chief's strategic concept (DoD); cost and schedule control (DoD); creeping line single-unit coordinated (DoD)	CTR	contractor (email identifier)
CSCI	computer software configuration item; computer system configuration item	CUDA	compute unified device architecture
CSD	computational structural dynamics	CUI	controlled unclassified information
CSDP	Command Supply Discipline Program	C-USS	customer-user satisfaction survey
CSE	computational support environment	CV	curriculum vitae
CSI	common scalable infrastructure	CVE	common vulnerabilities and exposures
CSIP	Cyber Security Inspection Program	CW	clockwise
CSLA	Communications Security Logistics Agency	CWC	composite worst case
CSM	computational structural mechanics	CWFS	Center-wide filing system
CSR	customer service representative	CWITT	C3I and Weapons S/H/L Systems Integrated Test Team
CSS	Central Security Service	CWO	climate/weather/ocean; climate/weather/ocean modeling and simulation
CSSO	Contractor Special Security Officer	D	
CST	collaborative simulation and testing	DA	Department of the Army
CSTA	combat systems test activity	DAA	designated approving (or approval) authority
CSU	channel service unit	DAAC	Data Analysis and Assessment Center
		DAAR	designated approval (or approving) authority representatives
		DAB	Defense Acquisition Board
		DAMPS	DREN active measurement systems
		DAPE	deny all, permit by exception
		DAR	Defense Acquisition Regulation
		DARE	Defense Anti-Reconnaissance Engine
		DARPA	Defense Advanced Research Projects Agency

DARPA		DES	data encryption standard;
HPC	Defense Advanced Research Projects Agency High Productivity Computing Systems	DEW	discrete event simulation
DART	Design through Analysis Realization Team; data assimilation research testbed	DFAR	directed-energy weapons
DASA		DFARS	Defense Federal Acquisition Regulation
(R&T)	Deputy Assistant Secretary of the Army, Research and Technology	DFS	Defense Federal Acquisition Regulation Supplement
DASD		DFT	distributed file system
(DT&E)	Deputy Assistant Secretary of Defense for Developmental Test and Evaluation	DFTB	density functional theory; discrete Fourier transform
DATO	denial of authorization to operate	DHPI	density functional theory-based tight-binding
DAU	Defense Acquisition University	DHPI	Dedicated HPC Project Investment
DBA	database administrator; direct budget authority	DHS	Department of Homeland Security
DBOF	Defense Business Operations Fund	DIA	Defense Intelligence Agency
DC	Distributed Center(s); direct current	DIACAP	DoD information assurance certification and accreditation process
DCAA	Defense Contract Audit Agency	DIAS	distributed INFOSEC accounting system
DCIPS	Defense Civilian Intelligence Personnel System	DIB	defense industrial base
DCMO	Deputy Chief Management Office	DID	data item description
DCN	DREN core node	DII	defense information infrastructure
DCPDS	Defense Civilian Personnel Data System	DIKW	date, information, knowledge and wisdom
DCSLOG	Deputy Chief of Staff, Logistics	DIMA	DoD portion of the intelligence mission area
DD	Department of Defense form	DIOT	Distributed Implementation and Operations Team
DDR&E	Director of Defense Research and Engineering (now ASD-R&E)	DIRNSA/ CHCSS	Director, National Security Agency/Chief, Central Security Service
DDT	deflagration-to-detonation transition	DIS	daily intelligence summary (DoD); data-intensive systems; distributed interactive simulation
DDVPC	DoD Digital Voice Processor Consortium	DISA	Defense Information Systems Agency
DE	directed-energy	DISC	DREN Inter-site Services Contract
DEA	Drug Enforcement Agency		
DEM	digital evaluation model		

DISES	Defense Intelligence Senior Executive Service	DOA	delegation of authority
DISN	Defense Information Systems Network	DoD	Department of Defense
DISNET	Defense Integrated Secure Network	DoDAAC	Department of Defense activity address code
DISO	Defense Information Systems Organization; Defense Information Systems Office; Defense Intelligence Support Office (DoD)	DoD CIO	DoD Chief Information Officer
DITCO	Defense Information Technology Contracting Organization; Development and International Trade Company	DoDD	Department of Defense Directive
DITMS	Defense Information Technology Management System	DoDI	Department of Defense Instruction
DITPR	DoD Information Technology Portfolio Repository	DoD IIS	DoD Intelligence Information System
DITSCAP	DoD information technology security certification and accreditation process	DoD	
DISNET	Defense Integrated Secure Network	ISRCM	DoD Information Security Risk Management Committee
DITSWG	Defense Information Technology Security Working Group	DoD M	DoD Manual
DLA	Defense Logistics Agency; dynamic loading approach	DOE	Department of Energy
DMA	Defense Mapping Agency; direct memory access	DOEA	Department of Defense education activity
DMSO	Defense Modeling and Simulation Office	DOE	
DMZ	demilitarized zone	INCITE	DOE Innovative and Novel Computational Impact on Theory Experiment Program
DNA	digital network architecture; direct network access; dynamic network architecture	DOE/PPL	DOE/Princeton Plasma Physics Laboratory
DNFSB	Defense Nuclear Facilities Safety Board	DOF	degrees-of-freedom
DNI	Director of National Intelligence	DOJ	Department of Justice
DNS	domain name server; digital network switch; direct numerical simulation; domain name service	DOL	Department of Labor
		DoS	denial of service
		DOT	Department of Transportation
		DOT&E	Director, Operational Test and Evaluation
		DPA	delegation of procurement authority
		DPG	Dugway Proving Ground
		DPM	discrete phase model
		DPP	data patch processing
		DPW	Directorate of Public Works
		DREN	Defense Research and Engineering Network
		DRM	Directorate of Resource Management
		DRMO	Defense Reutilization and Marketing Office; Defense Reutilization Management Office

DRMS	Defense Reutilization and Marketing Service	E	
DRP	disaster recovery plan	E2C	energy-efficient computing
DRU	direct reporting unit	E3	end-to-end encryption;
DS	delivery service; digital service; digital signal		electromagnetic environmental effects
DSA	digital signature algorithm	EA	economic analysis
DSAWG	Defense IA Security Accreditation Working Group	EAL	evaluation assurance level
DSN	Defense Switched Network (formerly AUTOVON)	EAP	employee assistance program
DSP	dedicated support partitions	EAR	Export Administration Regulation
DSRC	DoD Supercomputing Resource Center	EAS	energy-aware scheduler
DSS	Defense Security Service; digital signature standard	EBE	electronic battlefield environment
DSU	digital service unit	eBGP	external border gateway protocol
DSWA	Defense Special Weapons Agency	ECDSA	elliptic curve digital signature algorithm
DSWAG	Defense Information Systems Network Security Authorization Working Group	ECFM	extended coherent flamelet model
DT	developmental test; durability tolerance	ECM	enterprise configuration management
DTD	data transfer service	EDT	Eastern Daylight Time (2nd Sunday in March – 1st Sunday in November)
DT&E	development, test and evaluation	EEO	equal employment opportunity
DTIC	Defense Technical Information Center	EFP	explosively formed penetrator
DTM	directive-type memorandum	EFS	encrypted file system
DTO	defense technology objectives	EGST	Eastern Greenland Summer Time (daylight savings time in Greenland)
DTRA	Defense Threat Reduction Agency	EGT	Eastern Greenland Time (non-daylight savings time in Greenland)
DTSA	Defense Technology Security Administration	EI	emotional intelligence
DUSD		EL	Environmental Laboratory (ERDC – Vicksburg)
(S&T)	Deputy Under Secretary of Defense (Science and Technology)	ELT	effectiveness level test(ing)
DVE	degraded visual environment	EM	electromagnetic
DVMRP	distance vector multicast routing protocol	EMP	electromagnetic pulse
DYSMAS	dynamic systems mechanic-advanced simulation	EN	engineer's note
		ENS	electronics, networking, and systems/C4I
		EO	Executive Order
		EOA	early operational assessment
		EOB	External Oversight Board

EOD	end of day
EOF	empirical orthogonal functions
EOFY	end of Fiscal Year
EOTC	education, outreach, and training coordination
EPA	Environmental Protection Agency; enhanced performance architecture
EP&R	emergency preparedness and response
EPIC	elastic-plastic impact computations
EQM	environmental quality modeling and simulation
ERC	external review committee
ERDC	Engineer Research and Development Center (USACE)
ERDC-CRREL	Engineer Research and Development Center-Cold Regions Research and Engineering Laboratory
ERDEC	Edgewood Research, Development and Engineering Center
ERS	engineered resilient systems
ESD	Enterprise Service Desk (refers to the ACE-IT service desk/help desk)
ESI	enterprise software initiative
ESM	enterprise security management; enterprise system monitoring
ESMF	earth system modeling framework
ESNet	energy sciences network
EST	Eastern Standard Time
ET	enabling technologies; Eastern time
ETC	electro-thermal chemical
ETP	enterprise transition plan
EUV	extreme ultraviolet; end-user virtualization
EW	electronic warfare

F

FAA	Federal Aviation Administration
FAO	Federal Approving Officer
FAQ	frequently asked questions
FAR	Federal Acquisition Regulation; Federal Aviation Regulation
FAS	Federation of American Scientists
FAST	field-assisted sintering technology
FASTER	Federal Agency Administration of Science and Technology Education and Research
FBI	Federal Bureau of Investigation
FCC	Federal Communications Commission
FCIC	Federal Crop Insurance Commission
FCS	future combat systems; flight control system
FDA	Food and Drug Administration
FDIC	Federal Deposit Insurance Corporation
FDTD	finite difference time domain
FEA	Federal Enterprise Architecture
FEDS	Federal Disposal System
FEGLI	Federal Employees Group Life Insurance
FEHB	Federal Employees Health Benefits
FEM	finite element method
FEMA	Federal Emergency Management Agency
FERS	Federal Employees Retirement System
FFP	firm-fixed price (contract)
FFT	fast Fourier transform
FIDL	fully-integrated data link
FIP	Federal information processing
FIPS	Federal information processing standard
FIRMR	Federal Information Resources Management Regulation

FISMA	Federal Information Security Management Act	GAL	global address list
FIX	Federal internet exchange	GAO	General Accounting Office
FLAPW	full-potential linearized augmented plane-wave	GATT	General Agreement on Tariffs and Trade
FLE	fatigue life expended	GB	gigabyte
FLIR	forward-looking infrared	Gbps	gigabits per second; gigabytes per second
FLOPS	Floating-point Operations per Second	GCCS	Global Command and Control System
FLS	First Line Supervisor	GF	gigaflop
FMS	forces modeling and simulation; full mission simulator; Financial Management Service	GFDL	Geophysical Fluid Dynamics Laboratory
FMS/C4I	forces modeling and simulation of command, control, communications, computers and intelligence	GFE	government-furnished equipment
FNDT	future narrowband digital terminal	GFLOPS	gigaflops
FNMOCC	Fleet Numerical Meteorology Oceanography Center	GFS	global forecast system
FOA	field operation activities; field operating activities	GF-yrs	gigaflop-years
FOC	full operational capability	GGA	generalized gradient approximation
FOIA	Freedom of Information Act	GIG	Global Information Grid
FOIRL	fiber-optic inter-repeater link	GMT	Greenwich Mean Time
FOT&E	follow-on operational test and evaluation; final operational test and evaluation;	GOFS	global ocean forecast system
FOUO	For Official Use Only	GOSIP	government open-system interconnection profile
FPGA	field-programmable gate arrays	GOTS	government off-the-shelf
FR	Federal Register	GPO	Government Printing Office
FSI	fluid-structure interaction	GPU	graphics processing unit(s)
FSO	Field Security Office	GPFS	general parallel file system
ftp	file transfer protocol	GPGPU	general-purpose computing on graphics processing unit(s)
FTS	Federal Technology Service	GPS	global positioning system
FVL	future vertical lift	GRE	generic routing encapsulation
FWP	Federal Women's Program	GSA	General Services Administration
FY	fiscal year	GSFC	Goddard Space Flight Center
FYSA	for your situational awareness	GSL	Geotechnical and Structures Laboratory (ERDC – Vicksburg)
G		GT	gas turbines
GAIM	global assimilations of ionospheric measurements	GTCC	government travel charge card
		GUI	graphical user interface
		GV	ground vehicle
		GVS	ground vehicle simulator
		GWAC	government-wide acquisition contract
		GWEF	Guided-weapons Evaluation Facility (AF)

GWOT	global war on terror	HPCAC	High Performance Computing Advisory Council
H		HPCAP	High Performance Computing Advisory Panel
HADT	Hawaii-Aleutian Daylight Time (2nd Sunday in March – 1st Sunday in November)	HPCC	High Performance Computing Centers; high-performance computing and communication
HAIPE	high-assurance internet protocol encryptor	HPCCIT	high-performance computing, communications and information technology
HAST	Hawaii-Aleutian Standard Time (non-daylight savings time)	HPCMO	High Performance Computing Modernization Office
HAZMAT	hazardous materials	HPCMP	High Performance Computing Modernization Program
HBCU	historically black colleges and universities	HPCMPO	High Performance Computing Modernization Program Office
HBSS	host-based server system; host-based security system	HPF	high-performance FORTRAN
HDF	hierarchical data format	HPM	high-power microwave
HEC IWG	Interagency Working Group on High-end Computing	HPN	high-performance network
HEDM	high-energy density materials	HPTi	High Performance Technologies, Incorporated
HEETE	highly energy-efficient turbine engine	HQ	headquarters
HEUE	HPC enhanced user environment	HQDA	Headquarters, Department of the Army
HHS	Department of Health and Human Services	HQUSACE	Headquarters, United States Army Corps of Engineers
HI-ARMS	HPC Institute for Advanced Rotorcraft Modeling and Simulation	HRA	Hand Receipt Account (in property management)
HIC	Hawaiian Internet Consortium	HRH	Hand Receipt Holder (in property management)
HIPAA	High-assurance Portability and Accountability Act	HRSA	Health Resources and Services Administration
HiPPI	high-performance parallel interface	HSAI	High Performance Computing Software Applications Institute
HIS	hyper-spectral imaging	HIS	hyper-spectral imaging
HITL	human-in-the-loop	HSMS	HPM simulation management software
HLD	high-loading density	HTML	hypertext mark-up language
HME	homemade explosives	HTTP	hypertext transfer protocol
HP	Hewlett Packard; high-performance	HUD	Department of Housing and Urban Development
HPAC	hazard prediction and assessment capability	HW	hardware
HPC	high performance computer; high performance computing	HWIL	hardware-in-the-loop
		HYCOM	hybrid coordinate ocean model

I	
IA	information assurance
laaS	infrastructure-as-a-service
I&A	identification and authentication
IAB	Internet Architecture Board
IAM	Information Assurance Manager
IAO	Information Assurance Officer
IAP&T	IA policy and technology
IATC	interim approval to connect; interim authority to connect
IATF	information assurance technical framework; information assurance technology framework
IATO	interim authority to operate; interim approval to operate
IATTD	interim authority to transmit data
IAV	information assurance vulnerability
IAVA	information assurance vulnerability alert
IAVB	information assurance vulnerability bulletin
IAVM	information assurance vulnerability management
IAVT	information assurance vulnerability technical advisories
IAW	in accordance with
IB	interface builder; InfiniBand
IBAR	integrated battlespace arena
iBGP	internet border gateway protocol
ICD	initial capabilities document
ICMP	internet control and management protocol; internet control message protocol
ICN	integrated computing network; interface control net (DoD)
ICSA	International Computer Security Association

ID	identification; intrusion detection
IDA	Institute for Defense Analyses
IDIQ	indefinite-delivery/indefinite-quantity (contract)
IDL	interactive data language
IDO	initial defensive operations
IDP	individual development plan
IDREN	interim defense research and engineering network
IDS	intrusion detection system
IDT	ignition delay time
IE	information environment
IED	improvised explosive device(s)
IEEE	Institute of Electrical Electronics Engineers
IER	independent evaluation report
IETF	Internet Engineering Task Force
IEW	intelligence electronic warfare
IFC	International Finance Corporation
iFL	interim fast lane
IG	Inspector General
IGCE	independent government cost estimate
IGMP	internet group management protocol
IGV	inlet guide vane
IHAAA	Institute for HPC Applications to Air Armament
IHDE	integrated hydrodynamics design environment
IIPT	Integrating Integrated Product Team
IIS	internet information services
IKE	internet key exchange
ILANS	in-situ large antenna aperture and array simulations
ILM	information lifecycle management
ILSP	integrated logistics support plan; integrated logistics support procedure; integrated logistics support program

IM	insensitive munitions; instant messenger; integrated munitions	IPT	integrated product team
IMEA	integrated munitions effects assessment; integrated munitions effectiveness analysis; interactive multi-variate environmental analysis	IPv6	Internet Protocol, version 6
IM/IT	Information Management and Information Technology	IR	infrared
IMLS	Institute of Museum and Library Sciences	IRCC	inter-range control center
IMP	information management plan	IRM	information rights management (server)
IMPAC	international merchant purchase authorization card	IRS	Internal Revenue Service
IMT	integrated modeling and test environments	IRST	infrared search and track (DoD)
IMTPS	Institute for Maneuverability and Terrain Physics Simulation	IRT	incident response team
IMTTP	insensitive munitions technology transition program	IS	information system
INFOCON	information operations condition	ISAT	initial surface absorption test; integrated situation awareness and targeting; interim software acceptance test
INFOSEC	information security; information systems security	ISO	Industry Standards Organization
INT	Institute for Nuclear Theory	ISOO	Information Security Oversight Office
INTERPOL	International Criminal Police Organization	ISP	internet service provider
IO	information output	ISR	intelligence, surveillance and reconnaissance
I/O	input/output; interoperability	I-SSA	Institute for Space Situational Awareness
IOC	initial operating capability; input/output controller	ISSAA	Information Systems Selection & Acquisition Agency (Army)
IOP	inherent optical properties	ISSM	Information System Security Manager
IO RANGE	information operations range	ISSO	Information System Security Officer
IOT&E	initial operational test and evaluation	ISSP	information system security plan
IP	internet protocol	ISV	independent software vendor
IPA	Intergovernmental Personnel Act	IT	information technology
IPC	initial production capability; initial performance capability; initial proof-of-concept	ITA	International Trade Administration
IPS	in-plane switching; instructions per second	ITAR	International Traffic in Arms Regulation
IPSEC	internet protocol security	ITB	inter-turbine burner
		ITIPS	Information Technology Investment Portfolio System
		ITL	Information Technology Laboratory
		ITU	International Telecommunications Union (United Nations)

IV&V independent verification and validation
 IWARS infantry warrior simulation
 IWG Interagency Working Group
 IXC inter-exchange carrier

J

J9 Joint Experimentation Directorate
 JAG Judge Advocate General; Joint Acquisition Group (DoD)
 JAGM joint air-to-ground missile
 JCAS joint close-air support
 JCDSA Joint Center for Satellite Data Assimilation
 JCS Joint Chiefs of Staff
 JEFX joint expeditionary force experiment
 JEOM Joint Educational Opportunities for Minorities
 JET Joint Engineering Team
 JFCOM Joint Forces Command
 JFSC Joint Forces Staff College
 JHL joint heavy lifting
 JIAMDO Joint Integrated Air & Missile Defense Office
 JITC Joint Interoperability Test Command
 JMETC joint mission environment test capability
 JML joint model library
 JNIC Joint National Integration Center
 JNICRDC JNIC Research and Development Contract
 JNTF Joint National Test Facility
 JPAS joint personnel adjudication system
 JPO Joint Program Office
 JSF joint strike fighter
 JSTARS Joint Surveillance and Target Attack Radar System
 JTEN Joint Training and Experimentation Network (US Joint Forces Command)

JTF Joint Task Force
 JTF-CNO Joint Task Force – Computer Network Operations
 JTF-GNO Joint Task Force – Global Network Operations
 JTPA Job Training Partnership Act
 J-UCAS Joint Unmanned Combat Air Systems
 JWCO Joint Warfighting Capability Objective
 JSIVA Joint Staff Integrated Vulnerability Assessment

K

KASSPER knowledge-aided sensor signal processing with expert reasoning
 KE kinetic energy
 KEI kinetic energy interceptor
 KO Contracting Officer
 KPP key performance parameter

L

LA legislative affairs
 LAC Logistics Activity Center
 LAN local-area network
 LANE local-area network emulation
 LBNL Lawrence Berkeley National Laboratory
 LC lifecycle
 LCAA Local Commander Authorized Approval
 LCAC landing craft air cushion
 LCC lifecycle cost; local control center
 LCCE lifecycle cost estimate
 LCM lifecycle management
 LCO limit-cycle oscillation
 LCP large-caliber penetrator
 LCP&FD Laboratory for Computational Physics and Fluid Dynamics
 LCS Littoral Combat Ship
 LDA local density approximation
 LDAP lightweight directory access protocol

LDD	lost, damaged or destroyed
LDP	Logistics Delivery Point
LEAPS	leading-edge advanced prototyping for systems
LEC	local exchange carrier
LED	light-emitting diode(s); loop encryption device
LEF	leading-edge flaps
LES	large-eddy simulation
LEV	leading-edge vortex
LHA	Amphibious Assault Ship-Tarawa class
LHD	Amphibious Assault-Ship Wasp Class
LIDAR	light detection and ranging
LL	legislative liaison
LLNL	Lawrence Livermore National Laboratory
LMER	Labor and Management Employee Relations
LOD	level of detail
LOG	Logistics Directorate
LSA	logistics support analysis
LSN	large-scale network
LST	linear stability theory
LULC	land-use land-cover
LVC	live, virtual and constructive
LWIR	long-wave infrared

M

MAC	media access control; mission assurance category; machine-aided cognition
MAE	mean absolute error
MAGIC	meshing and geometry innovation collaboration
M&S	modeling and simulation
MAIS	major automated information systems
MAISRC	Major Automated Information Systems Review Committee; Major Automated Information Systems Review Council
MAOPR	minimum acceptable operational requirement

MASC	medium affordable surface combatant
MAV	micro air vehicle
Mbps	megabits per second; million bits per second
MBps	megabytes per second
MBX	metallized blast explosives
MCU	Multi-compartmental Unit
MD	molecular dynamics
MDA	milestone decision authority; Missile Defense Agency
MDAP	Major Defense Acquisition Program
MD5	message digest 5 algorithm
MDT	Mountain Daylight Time (2nd Sunday in March – 1st Sunday in November)
MELP	mixed excitation linear prediction; mixed excitation linear predictive
MEMS	microelectro-mechanical systems
METOC	Meteorological and Oceanographic; Mission Essential Meteorological and Oceanographic Center
MFA	multi-functional antenna
MFDT	multi-functional damage tolerant
MFLOPS	megaFLOPS (equal to one million floating-point operations per second)
MFR	memorandum for record
MFS	manned flight simulator
MFT	multiphase flow target response
MG	meshing and geometry
mGBP	Multi-protocol Border Gateway Protocol
MHD	magneto-hydrodynamics
MHPCC	Maui High Performance Computing Center
MHT	multiple hypothesis tracking
MI	minority institutions; military intelligence

MIB	management information base	MPS	managed print services
MIC	many integrated core (architecture)	MRAP	mine-resistant ambush- protected
MICOM	Missile Command (Army)	MRDC	Medical Research and Development Command
MIE	minimum ignition energy; molecular initiating event	MREN	Metropolitan Research and Education Network
MiFi	mobile wireless fidelity (mobile wireless network access card)	MRMC	Medical Research and Materiel Command (Army)
MILDEP	military department	MRTFB	major range and test facility base
MILNET	military network	MRTG	multi-router traffic grapher
MIMD	multiple-instruction multiple- data	MS	milestone
MIO	Management Integration Office	M&S	modeling and simulation
MIPR	Military Interdepartmental Purchase Request; Military Interdepartmental Purchase Report; Military Interagency Procurement Requisition	MSCA	military support to civilian authority
MISD	multiple-instruction single-data	MSDP	multi-cast source distribution protocol
MISSI	Multi-level Information Systems Security Initiative	MSI	Minority-serving Institution; Maui solar institute
MIST	Multi-INT simulation technology	MSRC	Major Shared Resource Center (now DSRC)
MIT	Massachusetts Institute of Technology	MSRM	multi-scale reactive modeling
MIT-LL	Massachusetts Institute of Technology, Lincoln Laboratory	MSRMS-IM	multi-scale reactive modeling and simulation of insensitive munitions
MNMI	Mobile Network Modeling Institute	MSS	mass storage system
MNS	mission needs statement	MSSC	Maui space surveillance complex
MOA	memorandum of agreement	MSSTB	Multi-Service System-of- Systems Test Bed
MODSAF	modular semi-automated forces	MST	Mountain Standard Time (non- daylight savings time)
MOE	measure of effectiveness	MT	Mountain Time
MOES	multiple-objective evolution strategy	MTA	mail transfer agent
MOP	measure of performance; massive ordnance penetrator	MTBF	mean-time between failures
MOPS	measures of performance	MTM	multi-scale thermal modeling
MOS	Mississippi and Ohio State University	MTO&E	Modified Table of Organization and Equipment
MOU	memorandum of understanding	MTTR	mean-time to recovery repair
MP	modernization plan	MW	megawatt; molecular weight
MPI	message passing interface	MWIR	mid-wave infrared
MPLS	multi-protocol label switching		
MPOA	multi-protocol over ATM		
MPP	massively-parallel processor		
			N
		NAC	National Agency Check;

	network access control	NDI	non-developmental item; non-destructive inspection
NACI	National Agency Check plus written inquiries	NDIA	National Defense Industrial Association
NADC	Naval Air Development Center	NDP	neighbor discovery protocol (IPv6)
NAFTA	North American Free Trade Agreement	NDSEG	National Defense Science and Engineering Graduate; National Defense Science and Engineering Grant
NAP	network access point; network access protocol; network access provider	NDT	Newfoundland Daylight Time
NARA	National Archives and Records Administration	NDU	National Defense University
NASA	National Aeronautics and Space Administration	NECC	National Emergency Coordination Center
NASP	National Aerospace Plane	NEEMO	network end-to-end monitoring
NAT	network address transition	NERSC	National Energy Research Scientific Computing Center
NATO	North Atlantic Treaty Organization	NES	network encryption system
NAVAIR	Naval Air Systems Command	NESM	Navy Enhanced Sierra Mechanics
NAVO	Naval Oceanographic Office	NET-	
NAVSEA	Naval Sea Systems Command	WARCOM	Naval Network Command
NAWC	Naval Air Warfare Center	NFS	network file system
NAWCAD	Naval Air Warfare Center Aircraft Division	NGA	National Geospatial-Intelligence Agency; National Governors' Association
NAWCTSD	Naval Air Warfare Center, Training Systems Division	NGI	next-generation internet
NAWCWD	Naval Air Warfare Center, Weapons Division	NGO	non-governmental organization
NCCOSC	Naval Command Control and Oceanographic Surveillance Center (Navy)	NGTS	next-generation technical services
NCEP	National Center for Environmental Prediction	NHC	National Hurricane Center
NCHPC	National Consortium for High Performance Computing	NHPRC	National Historical Publication and Records Commission
NCO	network-centric operations; non-commissioned officer	NHTSA	National Highway Transportation Safety Administration
NCODA	Navy coupled ocean data assimilation	NIAP	National Information Assurance Partnership
NCOM	Navy Coastal Ocean Model	NIDS	network intrusion detection system
NCP	network control protocol	NIE	network integration evaluation
NCR	National Capital Region	NII	National information infrastructure
NCS	National Communications System	NIPRNET	Non-classified Internet Protocol Router Network; non-secured internet protocol router network; unclassified, but sensitive, internet protocol router network
NCSA	National Center for Supercomputing Applications	NISO	National Information Standard Organization
NCSC	National Computer Security Center		
NDAA	National Defense Authorization Act		

NISPOM	National Industrial Security Program Operating Manual	NSA/CSS	NSA/Central Security Service
NIST	National Institute of Standards and Technology; National Institute of Science and Technology	NSAP	network services access point
NITRD	Networking and Information Technology Research and Development	NSC	National Security Council
NL	non-linear	NS/EP	National Security/Emergency Preparedness
NLOM	NRL Layered Ocean Model	NSF	National Science Foundation
NMAO	NOAA Marine and Aviation Operations	NSFNET	National Science Foundation Network
NMC	network management center	NSN	National Stock Number
NMCC	National Military Command Center (DoD)	NSSC	Naval Sea Systems Command
NMCI	Navy Marine Corps Intranet	NST	Newfoundland Standard Time (non-daylight savings time)
NMOC	Naval Meteorology and Oceanography Command	NSWC	Naval Surface warfare Center
NMS	network management station	NSWCCD	Naval Surface Warfare Center, Carderock Division
NNI	network-to-network interface	NSWCI	Naval Surface Warfare Center, Indian Head, MD
NOAA	National Oceanic and Atmospheric Administration	NTFS	new technology file system
NOC	network operations center; network operating center	NTIA	National Telecommunications and Information Administration
NOGAPS	Navy Operational Global Atmospheric Prediction System	NTSB	National Transportation Safety Board
NOS	National Oceanic Service	NTSP	National Telecommunications Support Plan
NPG	Naval Proving Ground	NUMA	non-uniform memory access
NPS	Naval Postgraduate School	NUOPC	National Unified Operational Prediction Capability
NRC	Nuclear Regulatory Commission	NURBS	non-uniform rational B-splines
NRDEC	Natick Research, Development and Engineering Center	NUWC	Naval Undersea Warfare Center
NREN	National Research and Education Network	NVD	night vision devices
NRL	Navy Research Laboratory	NVL	night vision laboratory
NRL-DC	Naval Research Laboratory, Washington, DC	NVRAM	non-volatile random access memory
NRL-MRY	Naval Research Laboratory, Monterey, CA	NWDC	Navy Warfare Development Command
NRL-SSC	Naval Research Laboratory, Stennis Space Center, MS	NWP	numerical weather prediction
NRT	near-real-time; National Response Team	NWS	National Weather Service
NRTC	near-real-time computing		O
NSA	National Security Agency	OA	operational assessment
		OAM	operation, administration and management
		OAR	Office of Oceanic and Atmospheric Research (Commerce)

OASA	Office of the Assistant Secretary of the Army	OPM	Office of Personnel Management
OASA (ALT)	Office of the Assistant Secretary of the Army for Acquisition, Logistics and Technology	OPNAV	Office of the Chief of Naval Operations; operational Navy
OASD	Office of the Assistant Secretary of Defense	OPR	office of primary responsibility
OASD (NII)	Office of the Assistant Secretary of Defense, Network and Information Integration	Ops	operations per second
OASDR&E	Office of the Assistant Secretary of Defense, Research and Engineering	OPTEVFOR	Operational Test and Evaluation Force
OC	optical carrier	ORD	Office of Research and Development (EPA)
OCM	on-condition maintenance	ORP	Ohio Replacement Program (Ohio-class submarine)
OCONUS	outside the continental United States (includes Alaska & Hawaii)	OS	operating system
ODBC	open database connectivity	O&S	operations and support
ODDR&E	Office of the Director, Defense Research and Engineering (now OASDR&E)	OSC	Office of Special Counsel; operations support center
OECD	Organization for Economic Cooperation and Development	OSD	Office of the Secretary of Defense
OEM	original equipment manufacturer	OSF	Office of Space Flight (NASA)
OES	Bureau of Oceans, International Environmental and Scientific Affairs	OSHA	Occupational Safety and Health Administration
OFM	Office of Financial Management	OSPF	open shortest path first (protocol)
OGA	other Government Agency	OSR	Office of Security Review
OGP	Office of Government-wide Policy	OSTP	Office of Science and Technology Policy
OIPT	Overarching Integrated Product Team	OT	operational test
OIT	Office of International Trade	OTA	Operational Test Agency
OJP	Office of Justice Programs	OT&E	operational test and evaluation
OKC	Online Knowledge Center	OTEP	operational test and evaluation plan
O&M	operations and maintenance; operations and management; organization and method	OTP	one-time password; operational test plan
OMB	Office of Management and Budget	OTRR	operational test readiness review
OneSAF	one semi-automated forces	OTTO	Office of Technology Transfer and Outreach
ONR	Office of Naval Research	OUSD	Office of the Under Secretary of Defense
OOCORE	out of core solver	OUT	operational utilization test
OOS	objective system	OVAL	open vulnerability assessment language
OPA	other procurement Army (funding)	OWCP	Office of Workers' Compensation Program
OPDOC	operational documentation; operations document		
OPFOR	opposing force		

P

P2	Program and Project Management Information System
PA	Program Analyst

PA&E	Program Analysis and Evaluation	PFPA	Pentagon Force Protection Agency
PAO	Public Affairs Office	PHRH	Primary Hand Receipt Holder
PAR	photosynthetically-active radiation	PI	principal investigator
PARCA	performance assessment and root cause analysis (DoD AT&L)	PIA	Privacy Impact Assessment
PAWS	parallel assessment window system	PIC	particle-in-cell
PB	petabyte	PID	proportional integrated derivative
PBL	planetary boundary level	pIE	portal to the Information Environment
PBO	Property Book Officer	PII	personal identification information; personal identifying information
PBR	President's Budget Request; program budget review	PIL	policy instruction letter
PC	personal computer	PIM	protocol independent multicast
PCAT	Property Category Code	PIN	personal identification number
PCID	physically-constrained iterative deconvolution	PKE	public key-enabled; public key encryption; public key encryptor; public key enabling
PCLCM	PC Lifecycle Management	PKI	public key infrastructure; public key information
PCS	permanent change of station	PKINIT	public key cryptography for initial authentication in Kerberos
PD	public domain	PM	program manager; project manager
PDA	personal data assistant; personal digital assistant	PMAC	packet media access controller; performance modeling and characterization
PDE	pulsed detonation engine	PMDT	Pierre & Miquelon Daylight Time
PDF	portable document format; probability density function; probability distribution function	PMI	Project Management Institute; project management interface
PDI	potential discrepancy item	PMO	program management office
PDM	program decision management	PMST	Pierre & Miquelon Standard Time
PDS	protective distribution system; Property Disposal Specialist	PNG	portable network graphics
PDT	Pacific Daylight Time (2nd Sunday in March – 1st Sunday in November)	POA	point of arrival
PDU	power distribution unit	POA&M	plan of action and milestones
PEO	Program Executive Office	POC	point-of-contact
PEOSTRI	Program Executive Office for Simulation, Training and Instrumentation	POD	pint of departure; Pacific Ocean Division (USACE)
PETs	performance evaluation and tracking system (DoD)	POE	point of entry
PETSc	portable extensible toolkit for scientific computations	POM	program objective memorandum
PETTT	User Productivity Enhancement, Technology, Transfer, and Training	POP	point-of-presence; Post Office protocol
PEUO	physics-based environment for urban operations	POSIX	portable operating system for UNIX
PFLOPS	petaFLOPS	POW/MIA	prisoner of war/missing in action
		PPBS	planning, programming and budgeting system (DoD)
		PPM	Program & Project Management

PPM CoP	Program & Project Management Community of Practice	QRF	quick reaction force
PR&C	purchase request and commitment	QSR	qualified status report
PRIMES	pre-flight integration of munitions and electronic systems	QT&E	qualified test and evaluation
R			
PRIP	Plant Replacement and Improvement Program	RA	requirements analysis; Receiving Agent
PSE	parabolized stability equation	RADIUS	remote authentication dial-in user server
PST	Pacific Standard Time (non-daylight savings time)	RAID	redundant array of independent disks; redundant array of inexpensive disks
PT	plain text; Pacific Time	RANS	Reynolds-averaged Navier-Stokes
PTO	Patent and Trademark Office	RASM	reliability, availability, scalability and manageability
PUBS	publications	R&D	research and development
PVC	permanent virtual circuit; permanent virtual connection	RBAC	role-based access control
PVM	paged virtual memory; present value model	RBC	Regional Business Center
PVP	permanent virtual path	RBD	rigid-body dynamics
PWS	performance work statement	RCC	Regional Control Center
Q			
QA	quality assurance	RDE	Research & Development Environment
QAF	Q adapter function	RDEC	Research, Development and Engineering Center (Army)
QAFA	quality Air Force assessment	RDI	rapid design and integration; remote defect indication
QAP	quality assurance plan; quality assurance program	RDT&E	research, development, test, and evaluation
QAPP	quality assurance program plan	RF	radio frequency; Response Force (DoD)
QBE	query by example	RFC	radio frequency countermeasure; response for comment(s)
QBF	query by form	RFID	radio frequency identification
Q-BIT	qualified data bit	RFP	request for proposal(s)
QC	quality control; quasi-continuum; quantum-chemical	RFQ	request for quote(s)
QD	questionable data	RIP	routing information protocol
QDOS	quick and dirty operating system	RISC	reduced instruction set computing
QDR	quadrennial defense review	RL	requirements list; Rome Laboratories
QL	query language	RLL	Regional Logistics Liaison
QLLC	qualified logical link control	RL-STAP	research laboratory space-time adaptive processing
QM	quality management; quantum mechanics; quantum mechanical	RM	resource management
QMR	quality military requirement	RMA	return material authorization; Risk Management Agency
QOI	quality of information; quality of implementation; quantities of interest		
QOS	quality of service		
QR	quality review		

RMD	required minimum distribution	SAMRAI	structured adaptive mesh
RMI	remote method invocation		refinement applications
RMS	rights management services (server)		infrastructure
RMSE	root mean square error	SAN	storage area network
RMWIM	Rocket Motor and Warhead Impact Modeling	SANDS	standard analog-to-digital system
ROI	return on investment; region of influence; region of interest	SANS	System Administration, Networking and Security Institute
ROID	Report of Item Discrepancy	SAP	special access program (DoD)
ROS	Record of Service; review of systems; required on station	SAR	synthetic aperture radar
RP	rendezvous point	SARDS	situation and reality display system
RPC	remote procedure call	SAS	Software Applications Support
RPG	rocket-propelled grenade	SAT	software acceptance test; systems acceptance test
RQL	rich-burn, quick-quench, lean-burn	SBA	Small Business Administration
RRP	resource reservation protocol	SBLI	shockwave boundary-layer interactions
RSDE	rapid ship design environment	SBU	sensitive, but unclassified
RSPA	Research and Special Programs Administration	SC	supercomputing
RSVP	please respond (French)	SCIB	Ship Characteristics Improvement Board
RT	real-time	SCAO	SIPRNet Connection Approval Office (DoD)
R&T	research and technology	SCCVI	secure configuration compliance validation initiative
RTC	real-time computing		
RTDA	real-time data access; real-time data analysis	SCI	sensitive compartmented intelligence
RTT	response test time; requirements tracking tool	SciDAC	scientific discovery through advanced computing
RTTC	Redstone Technical Test Center	SCIF	sensitive compartmented information facility
RVC	radial vane cavity		
RWV	rotary-wing vehicles	SCJ	shaped charge jet (warheads)
S		SCN	SDREN core node
S/AAA	Service/Agency Approval Authority	SCSI	small computer system interface
SAAR	system authorization access request	SDK	software design kit
SaaS	software-as-a-service	SDP	service delivery point(s); software development plan
S&E	science and engineering; scientists and engineers	SDR	SDREN delivery route
S&T	science and technology	SDREN	Secret Defense Research and Engineering Network
SABL	stable atmospheric boundary-layer	SDSC	San Diego Supercomputer Center
SAD	search and determine	SECNAV	Office of the Secretary of the Navy
SADARM	search and destroy armor	SEMO	Safety and Environmental Management Office
SAMI	sources and methods intelligence	SENTRI	Scalable Engineering Tools for Radio Frequency Integration

SERDP	strategic environmental research and development program	SMPTE	Society of Motion Picture and Television Engineers
SES	Senior Executive Service	SMT	software mechanics tracking; standards, measurements and testing; simultaneous multithreading
SF	standard form	SMTP	simple mail transfer protocol
SFC	specific fuel consumption	SNAP	system and network assurance program; system and network administration program
SFM	scalar fluctuation model; scalar fluctuation modeling	SNL	Sandia National Laboratory
SFP	small form pluggable (connector)	SNMR	simple network management protocol
SHA	secure hash algorithm	SNWC	Space and Naval Warfare Command
SIF	schools interoperability framework	SOC	system-on-a-chip
SIG	secure internet gateway; security implementation group	SOF	Special Operations Force
SIGINT	signal intelligence	SONET	synchronous optical network
SIMD	single instruction-stream, multiple data-stream	SOP	standard operating procedure
SimFence	Air Force space fence simulation	SoSUT	system-of-systems under test
SIP	signal/image processing	SOW	statement of work
SIPRNET	Secret Internet Protocol Router Network	SPA	scalable processing architecture
SISD	single-instruction single-data	SPAWAR	Space and Naval Warfare Systems Command
SLA	service-level agreement; software licensing agreement; software license agreement	SPDC	supersonic pulse detonation combustor
SLEPc	scalable library for Eigenvalue problem computations	SPEAR	signal processing evaluation, analysis and research
SLM	storage lifecycle management	SPEC	Standard Performance Evaluation Corporation
SMB	server message block	SPI	software protection initiative
SMCCOM	Soldier Biological Chemical Command Research Development Engineering Center	SPMD	single program, multiple data (parallel program)
SMDC	Space and Missile Defense Command	SPO	strategic performance objectives; system program office
SMDC-ARC	Space and Missile Defense Command - Advanced Research Center	SPVC	soft permanent virtual circuit; switched permanent virtual connection
SMDC-SimCtr	Space and Missile Defense Command – Simulation Center	SQA	software quality assurance
SMDFWC	Space and Missile Defense Future Warfare Center	SQL	structured query language
SMEMRD	software module for engineering models of rotor dynamics	SR	service request
S/MIME	secure/multi-purpose internet mail extensions	SRC	shared resource center
SMP	scalable multi-processor; security management plan	SRCAP	Shared Resource Center Advisory Panel
		SRI	Stanford Research Institute

SRR	security readiness review	SVC	switched virtual circuit
SSA	space situational awareness; site service agreement; Social Security Administration	SW	software
SSAA	system security authorization agreement; system security approval authority	SWAP	size, weight and power
SSAC	source selection advisory council	SWMS	Space Weather Modeling System
SSBI	single-scope background investigation		T
SSC-SD	Space and Naval Warfare Systems Center – San Diego	TA	technical area; technical assessment; Technology Administration
SSDC	Space and Strategic Defense Command	TAAD	task assignment and directive
SSDP	simple service discover protocol	TACACS+	Terminal Access Controller Access Control System Plus
SSEB	Source Selection Evaluation Board	TACC	Texas Advanced Computing Center
SSH	secure shell	TACOM	Tank-Automotive and Armaments Command (Army)
SSL	secure socket layer (web security protocol)	TAD	time available for delivery (DoD)
SSN	space surveillance network	T&E	test and evaluation
SSO	single sign-on	TAP	technical advisory panel
SSP	security support provider	TARDEC	Tank-Automotive Research, Development and Engineering Center
ST	Supply Technician	TB	terabytes
STE	secure telephone equipment	TBD	to be determined
ST&E	science, technology and engineering; security test and evaluation	TC	tropical cyclone
STEM	science, technology, engineering, and mathematics	TCB	trusted computer base
STEP	simulation, test and evaluation process; software test and evaluation panel	TCO	total cost of ownership
STEPNET	simulation, test and evaluation process network	TCP	transmission control protocol
STIG	security technical implementation guide	TCP/IP	transmission control protocol/internet protocol
STK	satellite toolkit	TDA	Table of Distribution and Allowances
STOVL	short take-off and vertical landing	TDDFT	time-dependent density functional theory
STRATCOM	US Strategic Command	TDY	temporary duty (US military)
STU	secure telephone unit	TE	technical evaluation
STUAS	small tactical unmanned aircraft system	TEC	Topographic Engineering Center (ERDC – Alexandria); total electron content
STW	strike warfare	TECNET	test and evaluation community network
STWG	system testing working group	TEK	traffic encryption key
SUNS	scalable urban network simulation	TEMP	test and evaluation master plan
		TEP	technical evaluation panel; test and evaluation plan

TERC	technology education research center; test and evaluation resource committee	TSP	office; threat simulator management office trusted platform module; thrift savings plan
TFLOPS	teraFLOPS (equal to one trillion floating-point operations per second)	TSPI	time-space-position information
THREATCON	threat condition	TSWG	technical support working group
TI	technology insertion; the process HPCMP uses to acquire next-generation supercomputers and annual maintenance services	TT	trouble ticket
TIC	toxic industrial compound	TTP	technology transfer program; tactical targeting program; tactics, techniques and procedures; transition to production
TIP	technology insertion proposal	TVC	trapped vortex combustor
TIPT	test integrated product team	TWAC	targeteering/weaponeering assistance cell
TIWG	test integration working group		U
TLB	thread local buffer; transmit load balancing	UAG	User Advocacy Group
TLD	top-level domain	UAS	unmanned aerial system
TMAX	temporal Maxwell server	UAV	unmanned air vehicle
TO	task order	UBR	undefined bit rate
TOR	tactical operational requirement; terms of reference	UBS	unclassified, but sensitive
TP	transition plan; test plan	UCAS	unmanned combat air systems
TPD	technical planning document	UCAV	unmanned combat air vehicles
TPS	thermal protection system	UCC	ultra-compact combustor
TPWG	test plan working group	UCFE	Unemployment compensation for Federal employees
TQM	total quality management	UCMJ	US Code of Military Justice
TQMP	total quality management plan	UDAAC	Unclassified Data Analysis and Assessment Center (ERDC)
TRA	technology readiness assessment	UDP	universal datagram protocol; unit deployment plan; unreliable datagram protocol; user datagram protocol
TRADOC	Army Training and Doctrine Command		
TRANSCOM	US Transportation Command	UE	underwater express
TREE	transient radiation effects on electronics	UESC	utility energy service contracts
TRG	technical review group	UGC	Users Group Conference
TRMC	Test Resource Management Center	UID	unique identification
TRR	test readiness review	UII	unique item identifiers
TS	top secret	UIT	user interface toolkit
TSA	test services agreement	ULA	USACE logistics activity
TSFC	thrust-specific fuel consumption	ULO	useful life expected from an asset
TSL	transport layer security	UMA	uniform memory access
TSMO	threat simulation management office; threat systems management	UNAFold	unified nucleic acid folding
		UNDEX	underwater explosion
		UNI	user network interface

U-Pass	User Id – Password Administration and Security System	UT/CDLT	user training/collaborative and distance learning technologies
UPS	uninterruptible power source; uniform procurement system	UTO	unit table of organization (DoD)
UQ	uncertainty quantification		V
URANS	unsteady Reynolds-averaged Navier-Stokes	VAATE	versatile affordable advanced turbine engine
URL	uniform resource locator	VAN	virtual area network
uRPE	unicast reverse path forwarding	VAPO	vulnerability assessment and protection option
US	United States		
USA	United States of America; United States Army	vBNS	very high-speed backbone network service
USACCSLA	US Army Communications – Electronics Command, Communications	VBR	variable bit rate
USACE	US Army Corps of Engineers	VC	virtual circuit
USAF	United States Air Force	VCC	virtual channel connection
USAFA	US Air Force Academy	VCCT	virtual crack closure technique
USAFMSA	US Air Force Management Support Agency	VED	virtual electromagnetic design
		VHDL	very high-speed integrated circuit (VHSIC) hardware description language
		VHSIC	very high-speed integrated circuit
USAMRIID	US Army Medical Research Institute of Infectious Diseases	VI	visual information
USAMRMC	US Army Medical Research and Materiel Command	VIP	very important person
USARO	US Army Research Office	ViPr	virtual presence system
USB	universal serial bus	VLM	virtual loads monitoring
USCERT	US Computer Emergency Response Team	VLS	vertical launch systems
USCG	United States Coast Guard	VM	virtual machine
USD	Undersecretary of Defense	VMS	vehicle management system
USDA	US Department of Agriculture	VNC	virtual network computing
USD AT&L)	Undersecretary of Defense for Acquisition, Technology and Logistics	VoIP	Voice-over Internet Protocol
USGS	United States Geological Survey	VP	virtual path
USI	user system interface	VPC	virtual path connection
USMC	United States Marine Corps	VPG	virtual proving ground
USN	United States Navy	VPI	virtual private interface
USNA	United States Naval Academy	VPN	virtual private network
USNCB	US National Census Bureau (Justice)	VSIPL	Vector Signal Image Processing Library
USTR	Office of the US Trade Representative	VT	virtual token
UTC	user training coordination	VTC	video teleconference
		V&V	verification and validation
			W
		WAN	wide-area network
		WAWF	wide-area workflow
		WD	weapons division

WEP	weapons effects phenomenology
WES	Waterways Experiment Station (ERDC – Vicksburg)
WESTHEM	western hemisphere
WGI	within-grade increases (Government employees)
WGST	Western Greenland Summer Time (daylight savings time in Greenland)
WGT	Western Greenland Time (non- daylight savings time in Greenland)
WiFi	wireless (high) fidelity (refers to wireless network access)
WIPT	working integrated product team
WL	Wright laboratory
WPAFB	Wright-Patterson Air Force Base
WRF	weather research and forecasting (weather forecast model)
WSMR	White Sands Missile Range
WSP	Federal Witness Security Program (formerly Witness Protection Program)
WSUS	Windows server update service
WTD	weapons training detachment (Army)
WTI	weapon-target interactions
WTO	World Trade Organization
WWW	world-wide web

X

XACML	extensible access control markup language
XAML	extensible application markup language
XML	extensible markup language
XSLT	extensible style-sheet language transforms

Y

YPG	Yuma Proving Ground
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Z

ZPG	zero pressure gradient
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Government-Related Acronyms

A		EO	Executive Order
ATF	Bureau of Alcohol, Tobacco, Firearms and Explosives	EPA	Environmental Protection Agency
B		EP&R	Emergency Preparedness and Response
BEA	Bureau of Economic Analysis	F	
BIS	Bureau of Industry and Security (Commerce)	FAA	Federal Aviation Administration
BLM	Bureau of Land Management	FBI	Federal Bureau of Investigation
BLS	Bureau of Labor Statistics	FCC	Federal Communications Commission
BTS	Bureau of Transportation Statistics	FCIC	Federal Crop Insurance Commission
BVA	Board of Veterans' Appeals	FDA	Food and Drug Administration
C		FDIC	Federal Deposit Insurance Corporation
CBO	Congressional Budget Office	FEMA	Federal Emergency Management Agency
CDC	Centers for Disease Control	FMS	Financial Management Service
CEA	Council of Economic Advisors	FOIA	Freedom of Information Act
CFR	Code of Federal Regulations	FR	Federal Register
CIA	Central Intelligence Agency	FTS	Federal Technology Service
CNO	Chief Naval Officer	G	
D		GAO	General Accounting Office
DAU	Defense Acquisition University	GATT	General Agreement on Tariffs and Trade
DEA	Drug Enforcement Agency	GPO	Government Printing Office
DHS	Department of Homeland Security	GSA	General Services Administration
DIA	Defense Intelligence Agency	H	
DISA	Defense Information Systems Agency	HHS	Department of Health and Human Services
DLA	Defense Logistics Agency	HRSA	Health Resources and Services Administration
DNFSB	Defense Nuclear Facilities Safety Board	HUD	Department of Housing and Urban Development
DODEA	Department of Defense Education Activity	I	
DOE	Department of Energy	IFC	International Finance Corporation
DOJ	Department of Justice	IG	Inspector General
DOL	Department of Labor	IMLS	Institute of Museum and Library Services
DOT	Department of Transportation	INTERPOL	International Criminal Police Organization
DTRA	Defense Threat Reduction Agency	IRS	Internal Revenue Service
DTSA	Defense Technology Security Administration	IT	Information Technology
E			

ITA	International Trade Administration	OAR	Office of Oceanic and Atmospheric Research (Commerce)
J		OECD	Organization for Economic Cooperation and Development
JAG	Judge Advocate General	OES	Bureau of Oceans, International Environmental and Scientific Affairs
JCS	Joint Chiefs of Staff	OGP	Office of Government-wide Policy
JFSC	Joint Forces Staff College	OIT	Office of international Trade
M		OJP	Office of Justice Programs
MDA	Missile Defense Agency	OMB	Office of Management and Budget
N		ORD	Office of Research and Development (EPA)
NAFTA	North American Free Trade Agreement	OSC	Office of Special Counsel
NARA	National Archives and Records Administration	OSF	Office of Space Flight (NASA)
NASA	National Aeronautics and Space Administration	OSHA	Occupational Safety and Health Administration
NATO	North Atlantic Treaty Organization	P	
NCR	National Capital Region	PFPA	Pentagon Force Protection Agency
NGA	National Geospatial-Intelligence Agency; National Governors' Association	POW/MIA	Prisoner of War/Mission in Action
NGO	Non-Governmental Organization	PTO	Patent and Trademark Office
NHPRC	National Historical Publication and Records Commission	R	
NHTSA	National Highway Transportation Safety Administration	RSPA	Research and Special Programs Administration
S		SSA	Social Security Administration
NIST	National Institute of Standards and Technology	S&T	Science and Technology Directorate (DHS)
NMAO	NOAA Marine and Aviation Operations	SECNAV	Office of the Secretary of the Navy
NOAA	National Oceanic and Atmospheric Administration	T	
NOS	National Ocean Service	TA	Technology Administration
NRC	Nuclear Regulatory Commission	U	
NSA	National Security Agency	USA	United States of America; US Army
NSA/CSS	NSA/Central Security Service	USACE	United States Army Corps of Engineers
NSF	National Science Foundation	USAF	United States Air Force
NTIA	National Telecommunications and Information Administration	USCG	United States Coast Guard
NTSB	National Transportation Safety Board	USDA	United States Department of Agriculture
NWS	National Weather Service	USMC	United States Marine Corps
O		USN	United States Navy

USNCB	US National Census Bureau (Justice)		W
USTR	Office of the US Trade Representative	WSP	Federal Witness Security Program
		WTO	World Trade Organization